

ABSTRACT OF THE DISCLOSURE

The integrated and self contained diesel hydraulic thruster system integral has a dynamic positioning control system for dynamic positioning of any waterborne vessel having a hull with at least two sides and a deck connecting the sides, at least two removably mounted azimuthing
5 thrusters, at least two self-contained diesel hydraulic power units removably secured to the deck, one for each thruster, at least one dynamic positioning computer connected to each of the self contained diesel hydraulic power units, at least one motion reference sensor connected to the dynamic positioning computer to correct reference position signals for motion of the vessel, at least one heading sensor, and at least one sensor that is either a position reference sensor connected to
10 the dynamic positioning computer, an environmental sensor connected to the dynamic positioning computer, or a combination thereof.